

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

258/235U

Application Number

09/699,667

Applicant(s)

Jean-Pierre Perreault et al.

Filing Date

October 30, 2000

Group Art Unit

1635

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
1.	U.S. 5,225,337	06/07/1993	Robertson et al.			
2.	U.S. 5,625,047	29/04/1997	Been et al.			

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
3.	WO 94/02595	03/02/1994	Int. PCT/US93/06316				
4.	WO 93/14218	22/07/1993	Int. PCT/US93/00292				
5.	WO 93/05157	18/03/1993	Int. PCT/FR92/00840				
6.	WO 92/07065	30/04/1992	Int. PCT/EP91/01811				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

7.	PCT International Search Report, PCT/CA99/00391;
8.	David V. Lazinski and John M. Taylor, (1995) Regulation of the hepatitis delta virus ribozymes: To cleave or not to cleave? RNA (1995), 1:225-233;

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DATE CONSIDERED

4/5/06

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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*EXAMINER INITIALS	CITATION NUMBER	CITATION
	9.	Andrea D. Branch and Hugh D. Robertson (1991) Efficient trans cleavage and a common structural motif for the ribozymes of the human agent. Proc. Natl. Acad. Sci. USA. 88:10163-10167;
	10.	Anne T. Perrotta and Michael D. Been. (1991) A pseudoknot-like structure required for efficient self-cleavage of hepatitis delta virus RNA. Nature. 350: 434-436;
	11.	Adrian R. Ferré-D'Amaré, Kaihong Zhou and Jennifer A. Doudna. (1998) Crystal Structure of a hepatitis delta virus ribozyme. Nature. 395: 567-574;
	12.	Jean-Pierre Perrault, Taifeng Wu, Benoit Cousineau, Kevin K. Ogilvie and Robert Cedergren (1990) Mixed deoxyribo- and ribo-ligonucleotides with catalytic activity. Nature. 344: 565-567;
	13.	Michael D. Been and Gene S. Wickham (1997) Self-cleaving ribozymes of hepatitis delta virus RNA. Eur. J. Biochem. 247: 741-753;
	14.	Guylaine Roy, Sirinart Ananvoranich and Jean-Pierre Perreault, (1999) Delta ribozyme has the ability to cleave <i>in trans</i> an mRNA, Nucl. Acid Res. 27:942-948;
	15.	Sirinart Ananvoranich, Daniel A. Lafontaine and Jean-Pierre Perreault (1999) Mutational analysis of the antigenomic <i>trans</i> -acting delta ribozyme: the alterations of the middle nucleotides located on the P1 stem Nucl. Acid Res. 27: 1473-1479;
	16.	Wolfgang A. Pieken, David B. Olsen, Fritz Benseler, Helle Aurup, Fritz Eckstein (1991) Kinetic Characterization of Ribonuclease-Resistant 2'-Modified Hammerhead Ribozymes, Science, 253: 314-317;
	17.	Bharat M. Chowrira, Alfredo Berzal-Herranz, Charles F. Keller and John M. Burke (1993) Four Ribose 2'-Hydroxyl Groups Essential for Catalytic Function of the Hairpin Ribozyme, J. Biol. Chem. 268: 19458-19462;
	18.	Orna Elroy-Stein and Bernard Moss (1990) Cytoplasmic expression system based on constitutive synthesis of bacteriophage T7 RNA polymerase in mammalian cells Proc. Natl. Acad. Sci. USA 87: 6743-6747;
19.	Xiang Gao and Leaf Huang (1993) Cytoplasmic expression of a reporter gene by co-delivery of T7 RNA polymerase and T7 promoter sequence with cationic liposomes Nucl. Acid Res. 21: 2867-2872;	
20.	Joshua O. Ojwang, Arnold Hampel, David J. Looney, Flossie Wong-Staal and Jay Rappaport, (1992) Inhibition of human immunodeficiency virus type 1 expression by a hairpin ribozyme Proc. Natl. Acad. Sci USA 89: 10802-10806;	

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21.

Shinji Makino, Ming-Fu Chang, Chien-Kou Shieh, Toshio Kamahora, David M. Vannier, Sugantha Govindarajan, Michael M. C. Cai (1987) Molecular cloning and sequencing of a human hepatitis delta (δ) virus RNA, Nature 329: 343-346;

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Jean-Pierre Perreault and Sydney Altman (1992) Important 2'-hydroxyl Groups in Model Substrates for M1 RNA, the Catalytic RNA Subunit of RNase P from *Escherichia coli*, J. Mol. Biol. 226: 399-409;

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Sirinart Ananvoranich and Jean-Pierre Perreault (1998) Substrate Specificity of δ Ribozyme Cleavage, J. Biol. Chem. 273: 13182-13188;

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Thomas W. Traut, (1994) Physiological concentrations of purines and pyrimidines. Mol. Coll. Biochem. 140: 1-22;

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Fabien Côté and Jean-Pierre Perreault (1997) Peach Latent Mosaic Viroid is locked by a 2',5'-Phosphodiester Bond Produced by *In Vitro* Self-ligation, J. Mol. Biol. 273: 533-543;

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Daniel Lafontaine, Stéphane Mercure and Jean-Pierre Perreault (1997) Update of the viroid and viroid-like sequence database: addition of a hepatitis delta virus RNA section, Nucl. Acid Res. 25: 123-125;

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Mei Chao, Sen-Yung Hsieh and John Taylor (1990) Role of Two Forms of Hepatitis Delta Virus Antigen: Evidence for a Mechanism of Self-Limiting Genome Replication, J. Virol. 64: 5066-5069;

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Stéphane Mercure, Daniel Lafontaine, Sirinart Ananvoranich and Jean-Pierre Perreault (1998) Kinetic Analysis of δ Ribozyme Cleavage, Biochemistry 37: 16975-16982;

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Hamid Fauzi, Junji Kawakami, Fumiko Nishikawa and Satoshi Nishikaw (1997) Analysis of the cleavage reaction of a trans-acting human hepatitis delta virus ribozyme, Nucl. Acid Res. 25: 3124-3130.

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M. Kashani-Sabet et al. (1992) Reversal of the Malignant Phenotype by an Anti-*ras* Ribozyme. Antisense Research and Development 2:3-15.

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